

Datasheet for ABIN7552279

## PRMT2 Protein (AA 1-433) (His tag)



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### Overview

Quantity:	1 mg
Target:	PRMT2
Protein Characteristics:	AA 1-433
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PRMT2 protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant PRMT2 Protein expressed in mammalian cells.
Sequence:	<p>MATSGDCPRS ESQGEEPAEC SEAGLLQEGV QPEEFVAIAD YAATDETQLS FLRGEKILIL  RQTTADWWWG ERAGCCGYIP ANHVGKHHVDE YDPEDTWQDE EYFGSYGTKL LHLEMLADQP  RTTKYHSVIL QNKESLTDKV ILDVGCGTGI ISLCAHYAR PRAVYAVEAS EMAQHTGQLV  LQNGFADIIT VYQQKVEDVV LPEKVDVLVS EWMGTCLLFE FMIESILYAR DAWLKEDGVI  WPTMAALHLV PCSADKDYRS KVLFDWNAYE FNLSALKSLA VKEFFSKPKY NHILKPEDCL  SEPCTILQLD MRTVQISDLE TLRGELRFDI RKAGTLHGFT AWFSVHFQSL QEQPPQVLS  TGPFHPTTHW KQTLFMMDDP VPVHTGDVVT GSVVLQRNPV WRRHMSVALS WAVTSRQDPT  SQKVGEKVFP IWR <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b></p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

## Product Details

Characteristics:	<div>Key Benefits:</div> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <p>This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.</p>
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Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

## Target Details

Target:	PRMT2
Alternative Name:	PRMT2 ( <a href="#">PRMT2 Products</a> )
Background:	<p>Protein arginine N-methyltransferase 2 (EC 2.1.1.319) (Histone-arginine N-methyltransferase PRMT2),FUNCTION: Arginine methyltransferase that methylates the guanidino nitrogens of arginyl residues in proteins such as STAT3, FBL, histone H4. Acts as a coactivator (with NCOA2) of the androgen receptor (AR)-mediated transactivation. Acts as a coactivator (with estrogen) of estrogen receptor (ER)-mediated transactivation. Enhances PGR, PPARG, RARA-mediated transactivation. May inhibit NF-kappa-B transcription and promote apoptosis. Represses E2F1 transcriptional activity (in a RB1-dependent manner). May be involved in growth regulation. {ECO:0000269 PubMed:12039952, ECO:0000269 PubMed:16648481, ECO:0000269 PubMed:17587566, ECO:0000269 PubMed:19405910}.</p>
Molecular Weight:	49.0 kDa
UniProt:	<a href="#">P55345</a>
Pathways:	<a href="#">Intracellular Steroid Hormone Receptor Signaling Pathway, Regulation of Intracellular Steroid</a>

## Target Details

[Hormone Receptor Signaling](#), [Nuclear Hormone Receptor Binding](#)

## Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months